



# BENETECH

## UART Digital Anemometer GM8904



### Specification

operating current

| Unit | minimum | typical | maximum |
|------|---------|---------|---------|
| mA   | 7       | 8       | 10      |

operating voltage

| unit | minimum | typical | maximum |
|------|---------|---------|---------|
| V    | 3.6     | 5       | 9.5     |

### Error

wind speed measuring error

| Unit     | rang     | resolution | threshold | precision                      |
|----------|----------|------------|-----------|--------------------------------|
| m/s      | 0 ~ 4.5  | 0.1        | 0.8       | $\pm 3\% \pm 0.1 \text{ dgts}$ |
| ft / min | 0 ~ 8800 | 19         | 157       | $\pm 3\% \pm 10 \text{ dgts}$  |
| knots    | 0 ~ 88   | 0.2        | 1.6       | $\pm 3\% \pm 0.1 \text{ dgts}$ |
| km/hr    | 0 ~ 140  | 0.3        | 2.9       | $\pm 3\% \pm 0.1 \text{ dgts}$ |
| mph      | 0 ~ 100  | 0.7        | 1.8       | $\pm 3\% \pm 0.1 \text{ dgts}$ |

Wind temperature measuring error

| Unit | rang         | resolution | precision                      |
|------|--------------|------------|--------------------------------|
| °C   | -10°C ~ 50°C | 0.1        | $\pm 3\% \pm 0.1 \text{ dgts}$ |
| °F   | 14°F ~ 122°F | 0.36       | $\pm 3.6^\circ\text{F}$        |

### Communication port

port definition

|       |                          |
|-------|--------------------------|
| red   | DC power supply(3.6~ 5V) |
| green | RXD                      |
| white | TXD                      |
| black | GND                      |

size 66 \* 29.5 \* 178mm

weight 83.7g

Operating temperature 0°C ~ 50°C (32°F ~ 122°F)

Storage temperature -20°C ~ 60°C (-4°F ~ 140°F)

